FOR MYSORE STATE

4-1-62.

Public C.P. (1953) Department.

M.S. SERIES.

G.O. NO. 949

Dated 7.4.53.

Passed 7/4/53
Signature

10 APR 53

G.O at p 34

[Despatch Abstract.]

Community Projects. Sonthi Kavana Ab. Communication. Construction of a foot bridge in Kiniya village - estimate Sanctioned

Back Papers.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Further Papers

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
...emo	2173 RDP VI/ 54-1/	Public	16/10/1954				

Recd from C

2nd

Ref.C.No.981/53-B.

Office of the Project Executive Officer,
South Kanara, Mangalore, Dt. 30-[illegible]-1953.

ACCOUNTS & SPECIAL OFFICER, COMMUNITY PROJECTS
1 APR 1953
PUBLIC (C.P.) DEPARTMENT. MADRAS

622

From

Sri G.Simhadri, B.A.,
Project Executive Officer,
Mangalore.

To

The Director of Community Projects
and Ex-officio Secretary to Govt.,
Fort St.George, Madras 9.

.....

Sir,

COMMUNITY PROJECTS - South Kanara - Block I - Communications Construction of a foot-bridge in Kinya - Estimate - Sanction Requested.

*****

I submit herewith an estimate in duplicate with site plan etc for the construction of a foot-bridge across the Poramboke channel in S.No. 100 of Kinya village, Mangalore Taluk. The particulars required, are furnished below.

1)	Block No.	I.
2)	Name of work.	Construction of a foot-bridge across Poramboke channel in S.No. 100 of Kinya village, Mangalore Taluk.
3)	Whether the work was approved by the Firka and the Project Advisory Committees.	Yes.
4)	Cost of the work.	Rs. 3,240/-
5)	Villagers' contribution...	Rs. 1,080/- being 1/3rd of the total cost.
6)	Expenditure to be borne by the Community Project.	Rs. 2,160/-

7) Remarks:-

The proposal is to construct a foot-bridge across the Poramboke channel in S.No. 100 of Kinya village. The work will be useful to the villagers and especially the residents of the locality who are mostly agriculturists. If a foot-bridge is constructed at the proposed site, it will also be useful to the residents of Naringana Village, who have to cross the stream at this place to go over to Mangalore. The villagers have promised a contribution of 1/3rd of the total cost which works out to Rs. 1,080/- The balance, i.e. Rs. 2,160/- has to be met from the Community Project funds. As the work is a useful one, I recommend that the estimate may be sanctioned for Rs. 2,160/-

G. Simhadri

PROJECT EXECUTIVE OFFICER. 253

ENCLOSURE:

Estimate in duplicate.

T/30.3.

30/3

(C. No. 6227)

Pub (CP. Audit)

G.O. Ms. 949 dt. 16.7-9-53.

Abstract:- Community Projects - South Kanara district - Communications - Construction of a foot bridge in Kinya Villa Estimate Sanctioned

Read - From the P.E.O. Mangalore - Ref. C No 981/53-B dt 30/5/53

Order:-

Sanction is accorded to an expenditure not exceeding Rs 2160, (Rupees Two thousand one hundred and Sixty only) being two thirds of the estimated cost of Rs 3240 for constructing a foot bridge across the poromboke channel in R.S. No. 100 of Kinya village. The balance of Rs 1080. required to complete the work should be met from contributions by the beneficiaries

2. The expenditure should be debited to "63 B. Community Development projects - II Community Projects - Communications - foot bridges".

The P.E.O. Mangalore should get the work executed according to the plan and estimate hereunto returned approved and submit a completion report to Govt in due course

4.4.53 Mgm.

6/4/53. 7/4/53

To The P.E.O. Mangalore (with enclosures)

Copy to A.G. (Madras)

Copy to Pub (CP. Accts) Dept

~~Pub (CP. Audit) Dept~~

" Pub (CP. Accts) Dept.

S.F. Read copy put in S.F.

CB. 10 weeks. 7/4/53

Entered in C.B.

16/4/53

Note:- Please see the letter from the P.E.O. Mangalore in C.F. He requests sanction to the construction of a foot bridge at Kinya at 2/3 of the estimated cost. The work is reported to be a useful one for the villagers especially the Agriculturists

The estimate has been scrutinized and is in order. The Stream is 41 feet wide and 12 ft deep from the banks. The proposal is to have a double span wooden foot bridge on masonry abutments and pier. The foundations for these will be taken down to hard gravel to a depths of 18" and 8 ft respectively

The work has been approved by the project advising Committee and is in Block I.

The public contribution is at a Thirds of the estimated cost. There is a provision for Rs 1.8 lakhs for the Construction of

100 foot bridges in this area in the Project estimate approved by the G.P.A.

8 foot bridges have been so far Recommended for sanctioned for execution and the total amount of sanction is Rs 22,450. Construction of a 9th foot bridge is being considered for sanction separately.

The estimate may therefore be sanctioned

The draft orders above may please be approved and the estimate may please be signed in token of sanction

H.H. 5/6/53 5/6/53 5/6/53

A.S. 7/6

[Issued as G.O Ms No. 949 Pub (CP amdt) dt 7.6.53]

P 3 9

Report to accompany Rs. estimate 97 for construction of foot bridge on Kunja village Rs. 2240

The proposed estimate provides for construction of foot bridge on Kunja Pallang. The necessity for the foot is explained in the A P O's report accompanying.

The proposed is to provide a foot bridge of 2 spans of 19'-6" each with wooden beams, decking and hand rails. The beams rest on the pier and abutment and are fixed by holding down bolts. The abutments and pier proposed are random rubble masonry in C.M. 1:4. The foundation of the abutments to be taken 5'-0" below bed level with 1'-0" thick cement concrete 1:4:8. The foundation

of the piers to be taken 3'-0" below bed level.
The hard gravel would will also be below
sewer level the foundation depths to be ~~to be~~
reduced if good sand is met with above.

Necessary provisions have been
made for rough shoring during pitching
away boards and taking out wales
and cutting away timber.

[signature]
T.E. 21/2/03

Design of slab :-

Clear span of 3'-6"

Dead wt. $3\frac{1}{2} \times 1 \times \frac{1}{6} \times 50 = 29.$

Extra for haunch, reads. etc. 6.

35.

Live load at 50 lb / ft² $3\frac{1}{2} \times 1 \times 80$ 280.

Total = 315 or 320 lb

Stiffness formula $d^3 = \frac{150\, b\, d^3}{L^2}$

$$d^3 = \frac{320 \times 3\frac{1}{2} \times 3\frac{1}{2}}{150 \times 12} = 2.18$$

$$d = 1.296.$$

Hence the thickness of 2" provided is quite sufficient

2) Beam

Dead wt of slab $19.5 \times 5 \times \frac{1}{6} \times 50 = 813.$

Extra for haunch, reads $d^3 = 300.$

Self wt of beam $2 \times 19.5 \times \frac{2}{3} \times 1 \times 50 = 1300.$

Live load $19.5 \times 3.75 \times 80 = 5850$

Total 8263.

Load on each beam 4132.

$4132 = \frac{150\, b\, d^3}{L^2}$ Let $b = 8"$

$$d^3 = \frac{4132 \times 19.5 \times 19.5}{150 \times 8} = 1280.$$

$d = 10.94"$

Hence a section of 8" x 12" is sufficient.

3) Load on pier : 8263

Pier wt. $8 \times 2 \times 14 \times 140 = 31360$

Portion $8.5 \times 3 \times 3 \times 140 = 10710$

Do- $9.5 \times 4 \times 4 \times 140 = 21280$

Concrete $11 \times 5.5 \times 1 \times 150 = 9075$

Remarque Avion 60'5 Ltt.

Heure levé pour rep. 61 : $\frac{61\,576}{60'5}$ = 1016 Gr.

Regarnir 2 to 2 Lmin allongement au travail général.

Travail statique

1. Grande Travail général
   2 fly travail local
2. Comment 2 mille travail Navigation
   2 mille cent bride
3. Wood — do — — do
4. Sound Air pilote

Pharmacien-Lieutenant
de C. (A.P.S.A.) 27/3/57

Data sheet to accompany the estimate for

Quantity.	Description of work.	Rate. Rs.	A.	P.	Per	Amount. Rs.	A.	P.	Total.
	1) Earthwork in excavation in all soil including all lifts, leads, dressing sides & bottom complete as per drawing & specification.								
1000 c ft	3-0-20 ft.	21	6	0	1000 c ft	21	6	0	✓
	Cement mortar 1:4								
1 1000 c ft	Sand.	2	8	0	100 c ft	2	8	0	✓
100/4 c ft	Cement.	87	8	0	100	87	8	0	✓
25 c ft	Lead for cement 2 miles boat + 2 miles cart 880 lbs. 7-0-6 ✓ +32-13-0 + 3-9-0 2070	46	6	6	100 c ft	11	9	8	✓
1 1000 c ft	Mixing charges	4	8	0	100 c ft	4	8	0	✓
	Sundries.					0	2	4	✓
	2) Concrete broken stone in c.m. 1:2:4					106	4	0	✓
100 c ft	Broken stone 1½" ☐	23	0	0	100 c ft	23	0	0	✓
50 c ft	C. Mortar 1:4.	106	4	0	"	53	2	0	✓
½ No.	Mason 2nd class	2	12	0	each	1	6	0	✓
5 Nos	Men Manjdoor.	1	8	0	"	7	8	0	✓
4 Nos	Woman manjdoor	0	12	0	"	3	0	0	✓
100 c ft	Lead for metal 3 fly metal boat Sundries	10	3	0	100 c ft	10	3	0	✓
						0	5	0	✓
	4) Random rubble in c.m. 1:4					98	8	0	✓
110 c ft	Rough stone	16	0	0	100 c ft	17	9	7	✓
34 c ft	Cement mortar 1:4	106	4	0	"	36	2	0	✓
5 Nos	Masons 1st class	3	2	0	each	15	10	0	✓
4 Nos	Men Manjdoor.	1	8	0	"	6	0	0	✓
1 No	Woman manjdoor	0	12	0	"	3	0	0	✓
110 c ft	Lead as above.	10	3	0	100 c ft	11	3	4	✓
	Sundries					0	3	1	✓
						89	12	0	✓

Abstract to accompany the estimate for _____

Quantity.	Description of work.	Rate. RS.	A.	P.	Per	Amount. RS.	A.	P.	Total.
	5) Rough stone [illegible] in foundation for machine								
	110 cft Rough stone	16	0	0	100 cft	17	9	7	
	1 NO. coolie	3	2	0	each	3	2	0	
	3 NOs Hammerman	1	8	0	"	4	8	0	
	2 NOs womencarrying	0	12	0	"	1	8	0	
	110 cft Head carriage	16	3	0	100 cft	11	3	4	
	Sundries					0	1	1	
						38	0	0	38/-
	6) Bare [illegible] in mortar & pack up 1 cft								
	1 cft Lime 4 parts + 10	7	2	0	cft	7	2	0	
	1/2 NO. carpenter	3	0	0	each	1	10	0	
	1 NO. Mason Hangalore	1	8	0	"	1	8	0	
	1 cft Head 2 miles 1 cart 7 miles cart charges.	30	0	0		0	0	5	
	Sundries					0	4	7	
						11	0	0	11/-
	7) Bearing with [illegible] Lime 2 coats								
	5 1/2 lbs. coal Lime	0	4	0	lbs.	2	2	0	
	1 1/2 NO. Mason Hangalore	1	5	0	each	2	4	0	
	Sundries for brushes washing etc					0	6	0	
	Total					4	12	0	4-12-0
	8) Supplying and fixing foundation down bolts 2'-0" long 3/4" dia with necessary plates [illegible] at bolting								
	each 2 Rate	2	0	0	each				2-0-0

Certified that the Rates adopted are correct to the best of my knowledge.

J. Thangavelu Clerk
J.E. 27/3/57

District S. Kanara. Taluk Mangalore.

Village and Survey Kuniya. Date and cost of original construction

Name and number of work Causeway & foot bridge in Kuniya village. Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Earthwork excavation in all soil except rock requiring blasting						
Foundn. of abutment	2	8'-6"	8'-0"	19'-0"	2584	
-do- pier	1	11'-0"	5'-6"	8'-0"	484	
Extra for ships					3068	3200 cft
Concrete broken stone in cement mortar 1:4:8						
under abutment	2	8'-6"	5'-0"	1'-0"	136	
-do- pier	1	11'-0"	5'-6"	1'-0"	61	
Total					197	200 cft
Random rubble in C.M. 1:4						
For abutment	2	4'-0"	4'-6"	4'-0"	144	
-do- superstructure	2	2+5'-6" / 2	4'-0"	14'-0"	630	
Backing to beam	2	6'-0"	1'-0"	1'-2"	14	
Pier foundn. 1st footing	1	9'-6"	4'-0"	4'-0"	152	
-do- 2nd footing	1	8'-6"	3'-0"	3'-0"	77	
-do- superstructure and cutwater	1	6'-0"	2'-0"	14'-0"	168	
Steps (left)	2	22/7 × 1-0 / 4	× 1'-0"	15'-0"	25	
-do- (right)	1	4'-0"	3'-9"	2'-6" / 2	19	
	1	4'-0"	4'-6"	3'-6" / 2	32	
Total					1481	1485 cft
Rough stone dry pitching for revetment						
Sides of abutments	4	4'-0"	1'-0"	16'-0"	256	
Extra					44 / 300	300 cft

C.F. 150 (1)

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
5) Best country wood wrought and put up						
Beams	2x2	21' 6"	0'-5"	1'-0"	57.33	
Posts	2x10	2' 6"	0' 3"	0'-3"	3.13	
Struts	2x10	2' 6"	0' 3"	0'-3"	3.13	
Hand rail	2	44'-0"	0'-3"	0'-2"	3.67	
bottom	2	44'-0"	0'-2"	0' 1½"	1.83	
Kerbs	2	43'-0"	0'-3"	0' 3"	5.38	
Decking	1	43'-0"	5'-0"	0' 2"	35.83	
Extra for rafters	2x10	2'-0"	0'-6"	0' 2"	3.33	
Extra for joints					2.37	
Total.					116.00	116 c.ft
6) Decking with hol wood 1½ 2 coats						
Beams	4	21'-6"	3'-4"		287	
Posts	2x10	2'-6"	1'-0"		50	
Struts	2x10	2'-6"	1'-0"		50	
Hand rail	2	44'-0"	0'-10"		73	
central rail	2	44'-0"	0'-7"		51	
Kerbs	2	43'-0"	1'-0"		430	
Extra					59	
	7			Total	1000	1000 sq ft
7) Supplying and fixing 2'-0" long 3/4" dia with flats etc Bolts	6				6 Nos	6
8) Supplying & fixing spikes of 4" to 6" long						
9) Extra for boring out holes and other imperfections						
10) Petty superversion charges						

Bahadur Chandra Das
P.E. 27/3/53

Abstract Estimate.

C.E. 150. (2).

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A.	P.
3500 cft	1) Earthwork excavation in all soils except rocks.		2	6	0	1000 cft	7	5	0			
200 cft	2) Concrete broken stone 1½" size in C.M 1:4:8		98	8	0	"	19	7	0			
1485 cft	3) Random rubble in C.M. 1:4		89	12	0	"	133	0	0			
300 cft	4) Rough stone dry pitching for protection		38	0	0	"	114	-	-			
110 cft	5) Bent & re-wrought & fixed up.		1	0	0	cft	110	0	0			
1000 sft	6) Turning with hot steel bar & cooling		4	12	0	100 sft	48	-	-			
6 Nos.	7) Supplying fixing holding down bolts 2'-0" long & ¾" dia		2	0	0	Each	12	0	0			
	8) Extra for ring bindg & bedding and washers & other improvements as item No. 5.						70	-	-			
	9) Supplying fixing spokes of 4' 6" long as						31	0	0			
	10) Petty supervision						84	0	0			
							324	0	0			
	Supervision charges at 5 per cent.											

(No. 6227
9-1-53

Specification.

C.F. 150 (2)—342,006—24-10-51.

District S. Kanara.

Taluk Kumta

Village No. Kumta

Name of Work No. Repairs to four bridges on Kumta Esl Rs 2160.

Technically Sanctioned
Karwar 24-1-53
Supdg Engr Cp.

Estimates Cost Rs 3240.
Amount of Contribution Rs 1080.
Amount of Sanction Rs 2160

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

Sanctioned for Rs 2160/-
(Rupees Two thousand one hundred & Sixty only)

Amount of estimate

O/C

Sanction number and date

To be carried out by

PUBLIC (RURAL DEVELOPMENT PROJECTS) DEPARTMENT
Memorandum No. 2173 Pub.(RDP)-VI/54-1, dated 18-10-1954.

Sub:- COMMUNITY PROJECTS - South Kanara Area - Communications - Construction of a foot-bridge in Kinya village - Deviations - Approved.

Ref:- (1) G.O.Ms.No. 949, Public (Community Projects) dated 7-4-1953.
(2) From the Project Executive Officer, Mangalore Ref.C.981/53-B dated 4-10-1954.

An estimate for Rs.3240/- was sanctioned in the G.O. cited for the construction of a foot-bridge at Kinya. The foot-bridge was to be in two spans supported on masonry abutments and pier. As the soil at the foundation of the pier is found to be sandy, the construction of a pier of reinforced cement concrete piles is found to be cheaper and feasible. A workslip for Rs.3078/- incorporating these deviations is now approved.

2. The Project Executive Officer, Mangalore is requested to restrict the expenditure from Community Project Funds to two-thirds of therevised cost of Rs.3078/-. He is also requested to get the balance of work executed speedily and to submit a copy of the completition report to Government in due course.

3. A copy of the workslip, the copy of the original estimate and the two drawings received with the letter cited are herewith returned.

N.V.SUBRAMANIAM
Deputy Secretary to Government.

To the Project Executive Officer, Mangalore (with encls. in original by Registered Post.
Copy to the Public (RDP)-VII and VIII and Technical Sections.
Copy to G.O.Ms.No.949, Public (CP) dated 7-4-53.

Forwarded/By Order.

Superintendent.

PW/18.10.